Chem.-Biol. Interactions, 69 (1989) 391–392
Elsevier Scientific Publishers Ireland Ltd.

CHEMICO-BIOLOGICAL INTERACTIONS

CONTENTS

VOLUME 69 (1989)

Review Article
Effects of copper on mammalian cell components
by K. Agarwal, A. Sharma and G. Talukder (Calcutta, India) 1

Suppression of experimental allergic encephalomyelitis in rats by mercuric chloride
by S. Levine and A. Saltzman (Valhalla, NY) 17
Effect of the glutathione *S*-transferase inhibitor, tienilic acid, on biliary excretion of sulphobromophthalein
by S.I. Fehring and J.T. Ahokas (Melbourne, Australia) 23
Metabolism of selectively methylated and deuterated analogs of 1,2-dibromo-3-chloropropane: role in organ toxicity and mutagenicity
by M. Låg, E.J. Søderlund, J.G. Omichinski, S.D. Nelson and E. Dybing (Oslo, Norway and Seattle, WA) 33
The dependence of the mutagenicity of methanesulphonic acid esters in *S. typhimurium* TA100 on the alkylation mechanism
by E. Eder and W. Kütt (Wurzburg, F.R.G.) 45
Studies on the mechanism of reduction of azo dye carcinogens by rat liver microsomal cytochrome *P*-450
by S. Zbaida, A.M. Stoddart and W.G. Levine (Bronx, NY) 61
In vitro studies of the inhibition of protein kinase C from rat brain by di-(2-ethylhexyl)phthalate
by R.R. Shukla, P.W. Albro, J.T. Corbett and J.L. Schroeder (Research Triangle Park, NC) 73
Influence of β-adrenoceptor blocking drugs on lipid-protein interaction in synaptosomal membranes. An ESR study
by K. Ondriaš, A. Staško, V. Marko and R. Nosál (Bratislava, Czechoslovakia) 87
Announcements 99

Review Article
Oxidative stress and muscular dystrophy
by M.E. Murphy and J.P. Kehrer (Austin, TX) 101

Microsomal metabolism of hexavalent chromium. Inhibitory effect of oxygen and involvement of cytochrome *P*-450
by A. Mikalsen, J. Alexander and D. Ryberg (Oslo, Norway) 175
Effects of neonatal monosodium-glutamate treatment on rat alveolar macrophages
by W.K. Liu, C.C. Wong and N.K. Mak (Hong Kong) 193
Formation and persistence of benzo[*a*]pyrene-diol epoxide-DNA adducts in liver of English sole (*Parophrys vetulus*)
by U. Varanasi, W.L. Reichert, B.-T. Le Eberhart and J.E. Stein (Seattle, WA) 203
Glutathione and lipid peroxide levels in rat liver following administration of methapyrilene and analogs
by L. Hernandez and W. Lijinsky (Frederick, MD) 217
Kinetic study of the interaction of glutathione with four antitumor disulfides: possible mechanism for cellular glutathione depletion
by D. Lynn Kirkpatrick (Regina, Canada) 225

Electrochemistry of cyclic α-imino carboxylates and their metal complexes: correlation with physiological activity
by P. Kovacic, W.J. Popp, J.W. Timberlake and M.D. Ryan (Milwaukee, WI) 235
Metabolism of benzo[a]pyrene and 7β,8α-dihydroxy-9α,10α-epoxy-7,8,9,10-tetrahydrobenzo[a]pyrene in lung and liver of newborn mice
by A.A. Melikian, K. Bagheri, S.S. Hecht and D. Hoffmann (Valhall, NY) 245
Influence of vitamin A status and DDT on vitamin A-dependent protein mannosylation in rat liver
by V. Azais-Braesco, G. Pascal, J.-P. Mareschi, Y. Fayet, A. Degiuli, R. Letoublon, R. Got and J. Frot-Coutaz (Jouy-en-Josas, Paris and Villeurbanne, France) 259
Methyl linoleate ozonide as a substrate for rat glutathione *S*-transferases: reaction pathway and isoenzyme selectivity
by R.M.E. Vos, I.M.C.M. Rietjens, L.H. Stevens and P.J. van Bladeren (Wageningen, The Netherlands) 269
Cytotoxicity of zinc in vitro
by J. Borovanský and P.A. Riley (London, U.K.) 279

Review Article
Free radicals in anticancer drug pharmacology
by B.K. Sinha (Bethesda, MD) 293

Metallothionein induction in mouse tissues by *cis*-dichlorodiammineplatinum(II) and its hydrolysis products
by P.G. Farnworth, B.L. Hillcoat and I.A.G. Roos (Melbourne, Australia) 319
The in vitro metabolites of 2,4,6-trichlorophenol and their DNA strand breaking properties
by U. Juhl, K. Blum and I. Witte (Oldenburg, F.R.G.) 333
Manganese catalyzed auto-oxidation of dopamine to 6-hydroxydopamine in vitro
by C.D. Garner and J.P. Nachtman (Warren and Detroit, MI) 345
Development of a murine gastric distension model for testing the emetic potential of new drugs and efficacy of antiemetics
by I.N. Olver, I.A.G. Roos, K. Thomas and B.L. Hillcoat (Melbourne, Australia) 353
Isolation of methylcarbamoyl-adducts of adenine and cytosine following in vitro reaction of methyl isocyanate with calf thymus DNA
by A. Segal, J.J. Solomon and F. Li (New York, NY) 359
Age-related induction and disappearance of carcinogen-DNA-adducts in livers of rats exposed to low levels of 2-acetylaminofluorene
by E. Mullaart, M.E.T.I. Boerrigter, P.H.M. Lohman and J. Vijg (Rijswijk, The Netherlands) 373
Subject Index Volume 69 (1989) 385
Author Index Volume 69 (1989) 389
Contents Volume 69 (1989) 391